

Notice of Allowability

Application No.

09/387,389

Examiner

Sherrie Hsia

Applicant(s)

YANG ET AL.

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.
2. ☒ The allowed claim(s) is/are claims 1-38, 41, 42, 39, 40 and 43 (renumbered as claims 1-43 respectively).
3. ☒ The drawings filed on 02 September 1999 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 1/13/00
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 26, line 1, "24" has been changed to --25-- in order to provide proper antecedent basis for the claimed subject matter.

2. The following is an examiner's statement of reasons for allowance: the prior art fails to show or fairly suggest a video decoder for decoding a composite video signal having the combination as claimed, including an analog-to-digital converter (ADC), an input resampler operatively coupled to the ADC, the input resampler configured to receive and resample the ADC samples with a first resampling signal to generate resampled video samples, a Y/C separator coupled to the input resampler, the Y/C separator configured to receive and separate the resampled video samples into luminance and chrominance components, wherein the Y/C separator includes a delay element configured to receive the resampled video samples and provide a variable amount of delay, as recited in claim 1.

The prior art also fails to show or fairly suggest a video decoder for decoding a composite video signal having the combination as claimed, including an input sampling circuit configured to receive and digitize the composite video signal to generate video samples, a color decoder coupled to the input sampling circuit, a timing circuit coupled to the input sampling circuit, the

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timing circuit configured to receive the video samples and generate a control signal indicative of an approximated time difference between a start of a video line and a burst phase of the video line, and a skew compensation circuit coupled to the color decoder and the timing circuit, the skew compensation circuit configured to receive the decoded video components and the control signal and to generate output video components having a time offset based on the time difference indicated by the control signal, as recited in claim 24.

Further, the prior art fails to show or fairly suggest a video decoder for decoding a composite video signal having the combination as claimed, including an input sampling circuit configured to receive and digitize the composite video signal with a first sampling signal to generate video samples, a color decoder coupled to the input sampling circuit, and a timing circuit coupled to the input sampling circuit, the timing circuit configured to receive a reference clock signal and generate the first sampling signal, the timing circuit including a phase lock loop (PLL) configured to receive the reference clock signal and a mode control signal, wherein the PLL is configurable to operate in one of a plurality of operating modes indicated by the mode control signal, as recited in claim 28.

Finally, the prior art fails to show or fairly suggest a video decoder for decoding a composite video signal having the combination as claimed, including an input resampler configured to receive and resample input video samples with a first resampling signal to generate resampled video samples, wherein the input video samples are generated by digitizing the composite video signal at a first frequency, and wherein the first resampling signal is locked to color bursts of the composite video signal, a Y/C separator coupled to the input resampler, the Y/C separator configured to receive and separate the resampled video samples into luminance

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and chrominance components, a color demodulator coupled to the Y/C separator, the demodulator configured to receive and demodulate the chrominance component into color difference components, and an output resampler coupled to the color demodulator, the output resampler configured to receive and resample the luminance and color difference components with a second resampling signal to generate output video components, wherein the second resampling signal is locked to a line rate of the composite video signal, as recited in claim 34.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sherrie Hsia whose telephone number is (703) 305-4738.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on (703) 305-4795.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Or faxed to:

(703) 872-9306

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Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Customer Service Office whose telephone number is (703) 308-HELP.



Sherrie Hsia
Primary Examiner
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SH
July 26, 2004